SBR No. 72/22-23
DATED 15/12/2022

Original/Duplicate/Triplicate EE/ELE/Y/BR.No. 72/22-23

CONTRACT CERTIFICATE

(For Other Works) Date.....2022 Dt. 15/12/2022

No. 1st RA bill

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-001-22-000007**

Schedule Docket No. Head of Account : P-CODE:P D.R.No. :

Name of Work:- Annual Maintenance and Repairs of Electrical Installation to BBMP buildings coming Under Yalahanka Division.

Name of Contractor and Full Address: M/s Chowdeshwari Electricals.

Reference to Agreement No:- BBMP/EE/ELE/YZ/AGR/ /2022-23 Date:

Work order No:- EE(Ele)/YZ/W.O/000014/2022-23 Date 07/04/2022

Certified that the measurements were taken by me on 1/12/22 and recorded of Pages 257362 to 369 of measurement Book No. 2 YZC/21-22 and that the work is satisfactorily executed.

For SRI CHOWDESHWARI ELECTRICALS

Proprietor

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 1/12/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

T.M. Badde 1/12

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	1st RA Bill	193611:00
2) Deduct amount to be held in reserve being .....percent Rs.....	I.T.I.	1936:00
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	L.W.S.F.	1936:00
	CBT-0.1%	194:00
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	CGST 1%	1729:00
	SGST 1%	1729:00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Deduction	7524:00
7) Net amount due to or from Contractor	unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within.	Balance	186087:00
9) Value of Government materials supplied.		
	Total amount adjusted -	

For SRI CHOWDESHWARI ELECTRICALS

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Proprietor

Witness

1.

2.

For SRI CHOWDESHWARI ELECTRICALS

Dated Signature of Contractor

Paid by me by Cheque No. Proprietor Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

(For use in the Office)

ಕೈಕ್ಕೆಯಿಂದಿಕ P3254 Maintenance

ರೂ: 193611:00 ಅಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದ

ರೂ: 186087:00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ

ರೂ: 7524:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

Executive Engineer

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description	Unit
	Name Of Work:- Annual Maintenance and Repairs of Electrical Installation to BBMP buildings coming Under Yalahanka Division	
1	Licenced electricial wiremen with tools (Skilled) Rs.605.56/Person/Day. KAE31LMW 2017 Dated 30-12-2017 Minium Wages and VDA From 01-04-2021 to 31-03-2022	Per day
2	Assistant electricial wiremen (semiSkilled) Rs.605.56/Person/Day. KAE31LMW 2017 Dated 30-12-2017 Minium Wages and VDA From 01-04-2021 to 31-03-2022	Per day
3	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.6Amps SP Switch	Nos
4	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.6Amps 3 way 5 pin Socket	Nos
5	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.6Amps 3 pin Top	Nos
6	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.6 Amps bell push	Nos
7	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.16 Amps SP switch	Nos
8	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.16 Amps 3 way 5 pin socket	Nos
9	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.16 Amps 3 pin top	Nos
10	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.32 Amps Bakelite DP	Nos
11	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.16/6 Amps combined plug and socket with control switch	Nos
12	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board.Electronic stepped regulator.	Nos
13	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required.20mm	Mtrs
14	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required.25mm	Mtrs
15	Wiring for lighting/power circuit using one of **FRLS** PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm	Mtrs
16	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments2.5sqmm	Mtrs
17	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.1-3Way	Nos
18	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.4-5Way	Nos
19	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.6Way	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		110	605.56	66611.60	110	66611.60	
		110	556.53	61218.30	110	61218.30	
		35	3.00	105.00	35	105.00	
		7	5.00	35.00	7	35.00	
		5	3.00	15.00	5	15.00	
		5	3.00	15.00	5	15.00	
		8	5.00	40.00	8	40.00	
		5	5.00	25.00	5	25.00	
		5	5.00	25.00	5	25.00	
		5	20.00	100.00	5	100.00	
		8	25.00	200.00	8	200.00	
		10	20.00	200.00	10	200.00	
		30	2.00	60.00	30	60.00	
		30	3.00	90.00	30	90.00	
		100	3.00	300.00	100	300.00	
		100	5.00	500.00	100	500.00	
		3	2.00	6.00	3	6.00	
		3	2.00	6.00	3	6.00	
		3	5.00	15.00	3	15.00	

20	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.1 to 3 Module	Nos
21	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.4 Module	Nos
22	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.6 Module	Nos
23	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch	Nos
24	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch 6Amps 3way socket	Nos
25	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch Stepped Fan Regulator	Nos
26	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.16Amps one way switch	Nos
27	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6/16Amps universal socket	Nos
28	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sq Cm
29	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Upto 12.5 HP	Nos
30	Supplying push button operated direct online starter with an antiweld silver cadmium oxide contactor with replaceable fixed and moving contacts and bimetallic thermal overload relay help in anticorrosion treated sheet steel or iron clad enclosure and fixing the same to suitable capacity wires for 230/440 volts 1/3 phase motor upto 5 HP.	Each
31	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps SP	Nos
32	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32 Amps DP	Nos
33	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40 Amps TPN	Nos
34	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5 core 25 sqmm	Mtrs
35	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 25 sqmm to 75 sqmm	Mtrs
36	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
37	Supply and wrapping the conductor with camabrick tape roll.	roll
38	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.48" Sweep (1200mm) Regular model	Nos

		3	2.00	6.00	3	6.00	
		3	3.00	9.00	3	9.00	
		3	5.00	15.00	3	15.00	
		7	2.00	14.00	7	14.00	
		7	3.00	21.00	7	21.00	
		5	20.00	100.00	5	100.00	
		7	10.00	70.00	7	70.00	
		7	10.00	70.00	7	70.00	
		2000	0.01	20.00	2000	20.00	
		1	3000.00	3000.00	1	3000.00	
		1	900.00	900.00	1	900.00	
		4	50.00	200.00	4	200.00	
		3	100.00	300.00	3	300.00	
		1	500.00	500.00	1	500.00	
		50	100.00	5000.00	50	5000.00	
		50	5.00	250.00	50	250.00	
		40	5.00	200.00	40	200.00	
		7	5.00	35.00	7	35.00	
		5	1600.00	8000.00	5	8000.00	

39	Supplying wall mounting fan suitable to operate at single- phase 230v A.C. supply.400mm Sweep	Nos
40	Supplying and drawing UTP-CAT 6E LAN cable.	Mt.
41	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 1 x4'- 20/22 w	Nos
42	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.15-18W	Nos
43	Supply of round/square recess/surface mounted rolling type LED Down light with .....W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 15-18W	Nos
44	Supplying and fixing one of 230 volts bell or buzzer and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws.	Nos
45	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws with Remote.Remote	Nos
46	Supplying and fixing/replacing condenser for ceiling fan/MV/ SV/MH and other luminaries.8mfd	Nos
47	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM	Nos
48	Supplying and fixing/replacing of fluorescent tube.18 to 40Watts	Nos
49	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to 265V, 50Hz AC power Supply.	No
50	Supplying & Fixing of 230 Volts 20/40 watts starter for Fluorescent Lamp	No
51	Supplying & Fixing of 230 Volts 20/40 watts Fluorescent Lamp holder	No
52	Supplying & fixing LED Drivers suitable for 5700K LED fitting Indoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply 9W to 12W 5700K suitable for indoor LED fitting.	No
53	Supplying & fixing LED Drivers suitable for 5700K LED fitting Indoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply 15W to 18W 5700K suitable for indoor LED fitting.	No
54	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps On wall / ceiling / Rafter / Girders	No

		2	2500.00	5000.00	2	5000.00	
		60	10.00	600.00	60	600.00	
		12	250.00	3000.00	12	3000.00	
		5	1300.00	6500.00	5	6500.00	
		10	900.00	9000.00	10	9000.00	
		2	5.00	10.00	2	10.00	
		2	50.00	100.00	2	100.00	
		10	5.00	50.00	10	50.00	
		7	10.00	70.00	7	70.00	
		40	1.00	40.00	40	40.00	
		15	2.00	30.00	15	30.00	
		30	1.00	30.00	30	30.00	
		10	1.00	10.00	10	10.00	
		2	10.00	20.00	2	20.00	
		2	15.00	30.00	2	30.00	
		17	5.00	85.00	17	85.00	

55	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each	2	5.00	10.00	2	10.00
56	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.	Each	1	5.00	5.00	1	5.00
	Total Rs				**172866.90**		**172866.90**
	Add GST Charges 12%				20744.03		20744.03
	Total Rs				**193610.93**		**193610.93**

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

11/12/22